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interface;

Listing of Claims

This listing of claims replaces all prior versions and listings of claims in the application:

1. (Currently Amended) A method, comprising:

receiving, from a user, a primary term representing a first concept to be added to a network of interrelated concepts, wherein a concept comprises a normalized semantic representation:

receiving, from the user, at least one related term associated with the primary term and representing the first concept;

representing the association between the primary term and the at least one related term to the user on a user interface characterizing the first concept;

receiving at least one relationship between the first concept and a second concept, wherein the relationship comprises a lateral bond;

receiving a relationship type associated with characterizing the at least one relationship; receiving a strength value associated with characterizing the at least one relationship; representing the at least one relationship and the relationship type to the user on the user

receiving a second user request to add the first concept to the network; and in response to the second user request, adding the first concept to the network.

2. (Currently Amended) The method of claim 1, wherein representing the association further-comprising; comprises

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receiving-a-user-request-to-create-the-first-concept;-and

eausing a display of displaying a concept view.

3. (Currently Amended) The method of claim 1, further comprising receiving information defining characterizing a part of speech of the first concept.

- 4. (Currently Amended) The method of claim 1, wherein the <u>relationship comprises a</u> <u>hierarchical relationship or a lateral bond that</u> indicates a proximity of the first concept to the second concept in semantic space.
- 5. (Currently Amended) The method of claim 1, wherein the relationship type is selected from one of the group consisting of following: kind of, has kind, part of, has part, member of, has member, substance of, has substance, product of, or has product.
- 6. (Currently Amended) The method of claim 1, further comprising receiving information defining characterizing a frequency of the primary term.
- 7. (Currently Amended) The method of claim 1, further comprising receiving information defining characterizing a likelihood that the primary term and the related terms imply the first concept.
- 8. (Currently Amended) The method of claim 1, further comprising receiving information defining characterizing a breadth of the first concept.
- 9. (Currently Amended) The method of claim 1, further comprising receiving information indicating that the first concept is offensive.

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10. (Currently Amended) The method of claim 1, further comprising receiving user data further describing the first concept.

- 11. (Original) The method of claim 1, further comprising receiving context information.
- 12. (Currently Amended) A method, comprising:

receiving a request to edit a first concept in a network of interrelated concepts, wherein a concept comprises a normalized semantic representation;

eausing a display of representing the first concept on a display that includes a collection of one or more terms that express the first concept and a description of one or more existing relationships between the first concept and other concepts in the network;

receiving, from a user, at least one new relationship between the first concept and a second concept, wherein-the relationship-econprises-a-lateral bond;

receiving a relationship type associated with characterizing a type of the at least one new relationship;

receiving a strength value associated with characterizing a strength of the at least one new relationship; and

updating the first concept in-the-network to reflect the at least one new relationship, the relationship type, and the strength value; and

representing the updated first concept on the display, wherein the display further includes a description of the at least one new relationship.

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- 13. (Currently Amended) The method of claim 12, further comprising receiving an edited a new strength value for an one of the existing relationship relationships between the first concept and another a third concept.
- 14. (Currently Amended) The method of claim 12, further comprising receiving an edited a new relationship type for an one of the existing relationship relationships between the first concept and another a third concept.
- 15. (Currently Amended) The method of claim 12, wherein the <u>new relationship</u> comprises a hierarchical relationship or a lateral bond that indicates a proximity of the first concept to the second concept in semantic space.
- 16. (Currently Amended) The method of claim 12, wherein the relationship type is selected from one of the group consisting of following: kind of, has kind, part of, has part, member of, has member, substance of, has substance, product of, or has product.
- 17. (Currently Amended) The method of claim 12, further comprising receiving information editing characterizing a new frequency of the primary term.
- 18. (Currently Amended) The method of claim 12, further comprising receiving information editing characterizing a new likelihood that a primary term and related terms imply the first concept.
- 19. (Currently Amended) The method of claim 12, further comprising receiving information editing characterizing a new breadth of the first concept.

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20. (Currently Amended) A <u>One or more</u> computer-readable medium media containing comprising program code tangibly embodied in machine-readable format and operable to cause one or more machines to perform operations, the operations comprising:

program-code for receiving, from a user, a primary term representing a first concept to be added to a network of interrelated concepts, wherein a concept comprises a normalized semantic representation;

program code for receiving, from the user, at least one related term associated with the primary term and representing the first concept;

representing the association between the primary term and the at least one related term to the user on a user interface characterizing the first concept;

program-code for receiving at least one relationship between the first concept and a second concept, wherein the relationship ecomprises a lateral bond;

program-code for receiving a relationship type associated with characterizing the at least one relationship;

program-code for receiving a strength value associated with characterizing the at least one relationship;

representing the at least one relationship and the relationship type to the user on the user interface;

program code for in response to the second user request, adding the first concept to the network.

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21. (Currently Amended) The computer-readable medium media of claim 20, further comprising: wherein representing the association comprises

program code for causing a displaying of a concept view.

- 22. (Currently Amended) The computer-readable medium media of claim 20, wherein the operations further comprising comprise program-code for receiving information defining characterizing a part of speech of the first concept.
- 23. (Currently Amended) The computer-readable medium media of claim 20, wherein the relationship comprises a hierarchical relationship or a lateral bond that indicates a proximity of the first concept to the second concept in semantic space.
- 24. (Currently Amended) The computer-readable medium media of claim 20, wherein the relationship type is selected from one of the group consisting of following: kind of, has kind, part of, has part, member of, has member, substance of, has substance, product of, or has product.
- 25. (Currently Amended) The computer-readable medium media of claim 20, wherein the operations further comprising comprise program code for receiving information defining characterizing a frequency of the primary term.
- 26. (Currently Amended) The computer-readable medium media of claim 20, wherein the operations further comprising comprise program code-for receiving information defining characterizing a likelihood that the primary term and the related terms imply the first concept.

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- 27. (Currently Amended) The computer-readable medium media of claim 20, wherein the operations further comprising comprise program code for receiving information defining characterizing a breadth of the first concept.
- 28. (Currently Amended) The computer-readable medium media of claim 20, wherein the operations further comprising comprise program code for receiving information indicating that the first concept is offensive.
- 29. (Currently Amended) The computer-readable medium media of claim 20, wherein the operations further comprising comprise program code for receiving user data further describing the first concept.
- 30. (Currently Amended) The computer-readable medium media of claim 20, wherein the operations further comprising comprise program code for receiving refinition information.
- 31. (Currently Amended) A One or more computer-readable medium media containing comprising program code tangibly embodied in machine-readable format and operable to cause one or more machines to perform operations, the operations comprising:

program code for receiving a request to edit a first concept in a network of interrelated concepts, wherein a concept comprises a normalized semantic representation;

program-code for-causing a display of representing the first concept on a display that includes a collection of one or more terms that express the first concept and a description of one or more existing relationships between the first concept and other concepts in the network;

program code for receiving from a user, a request to add at least one new relationship between the first concept and a second concept, wherein the relationship comprises a lateral

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bond;

program code for receiving a relationship type associated with characterizing a type of the at least one new relationship;

program code for receiving a strength value associated with characterizing a strength of the at least one new relationship; and

program code for updating the first concept in the network to reflect the at least one new relationship, the relationship type, and the strength value; and

representing the updated first concept on the display, wherein the display further includes a description of the at least one new relationship.

- 32. (Currently Amended) The computer-readable medium media of claim 31, wherein the operations further comprising comprise program code for receiving an edited a new strength value for an one of the existing relationship relationships between the first concept and another a third concept.
- 33. (Currently Amended The computer-readable medium media of claim 31, wherein the operations further comprising comprise program code for receiving an edited a new relationship type for an one of the existing relationship relationships between the first concept and another a third concept.
- 34. (Currently Amended) The computer-readable medium media of claim 31, wherein the new relationship comprises a hierarchical relationship or a lateral bond that indicates a proximity of the first concept to the second concept in semantic space.

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- 35. (Currently Amended) The computer-readable medium media of claim 31, wherein the relationship type is selected from one of the group consisting of following: kind of, has kind, part of, has part, member of, has member, substance of, has substance, product of, or has product.
- 36. (Currently Amended) The computer-readable medium media of claim 31, wherein the operations further comprising comprise program-code-for receiving information editing characterizing a new frequency of the primary term.
- 37. (Currently Amended) The computer-readable medium media of claim 31, wherein the operations further comprising comprise program code for receiving information editing characterizing a new likelihood that a primary term and related terms imply the first concept.
- 38. (Currently Amended) The computer-readable medium media of claim 31, wherein the operations further comprising comprise program-code for receiving information editing characterizing a new breadth of the first concept.
- 39. (Currently Amended) The method of claim 1, wherein the related term comprises a synonym or acronym associated with of the primary term.
- 40. (Currently Amended) The computer-readable medium media of claim 20, wherein the related term comprises a synonym or acronym associated with of the primary term.
 - 41. (New) A user display comprising:
- a visual rendition of an identifier of a first concept in an entelogy of concepts, wherein a concept comprises a normalized semantic representation;

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a visual rendition of a collection of one or more terms that represent the first concept;

a visual rendition of relationships between the first concept and other concepts in the ontology, the visual rendition of the relationships comprising

a first description that a first relationship between the first concept and a second concept is a parent/child relationship,

a second description that a second relationship between the first concept and a third concept is a child/parent relationship, and

a third description that a third relationship between the first concept and a fourth concept is a lateral relationship.

42. (New) The graphical display of claim 41, wherein at least one of the first description, the second description, and the third description includes information describing that one or more of the first relationship, the second relationship, and the third relationship is a "kind of" relationship, a "has kind" relationship, a "part of" relationship, a "has part" relationship, a "member of" relationship, a "has member" relationship, a "substance of" relationship, a "has substance" relationship, a "product of" relationship, or a "has product" relationship.